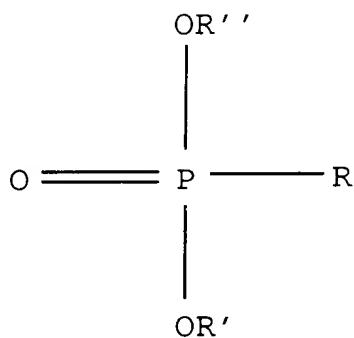
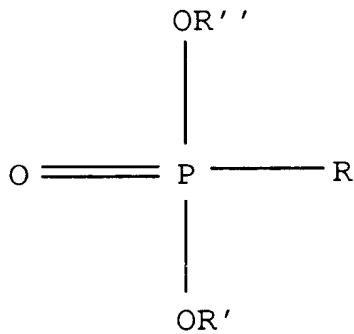


9. A drilling fluid comprising  
 water as base component;  
 a viscosifying agent to increase the viscosity of the fluid;  
 a filtrate reducing agent;  
 a weighting agent to adjust the density of the fluid;  
 a shale swelling inhibition agent comprising phosphate or silicate based  
 compounds ; and  
 an additive for a drilling fluid, consisting of a compound in accordance with the  
 formula



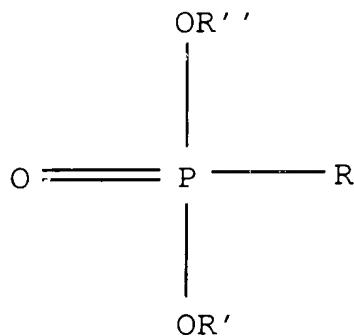
wherein R, R' and R'' are radicals exclusively containing H atoms or  
 combinations of H, C, O or P atoms up to a maximum of 100 atoms.

15. A method of preventing accretion of cuttings in a borehole, said method  
 comprising the step of preparing a drilling fluid comprising a viscosifying agent  
 to increase the viscosity of the fluid, a filtrate reducing agent, a weighting agent  
 to adjust the density of the fluid, a shale swelling inhibition agent comprising  
 phosphate or silicate based compounds and an additive for a drilling fluid,  
 consisting of a compound in accordance with the formula



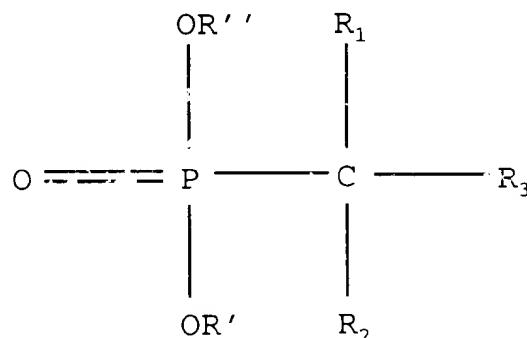
wherein R, R' and R" are radicals exclusively containing H atoms or combinations of H, C, O or P atoms up to a maximum of 100 atoms.

17. A drilling fluid being water-based and having an inhibitive component to reduce the hydration of shale further comprising an additive in accordance with the formula



where R, R' and R" are groups exclusively containing H atoms or combinations of H, C, O or P atoms up to a maximum of 100 atoms, for reducing cuttings accretion and bit balling.

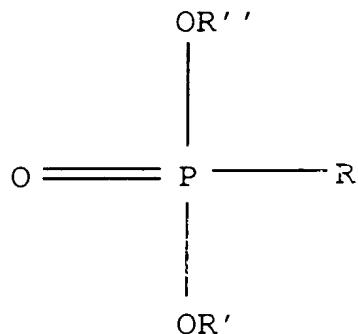
18. The drilling fluid of claim 17, comprising an additive in accordance with the formula



where R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> are groups exclusively containing H atoms or combinations of H, C, O or P atoms up to a maximum of 100 atoms.

22. The drilling fluid of claim 17, being an anionic drilling fluid.

25. A method of drilling a borehole, said method comprising the step of using an additive consisting of a compound in accordance with the formula



wherein R, R' and R'' are radicals exclusively containing H atoms or combinations of H, C, O or P atoms up to a maximum of 100 atoms in a drilling fluid during a drilling operation, for preventing accretion of cuttings in said borehole.

Please add new claims 26 to 31 as follows:

26. The drilling fluid of claim 9, wherein the additive is based on a phosphor derivative of the succinic acid.
27. The drilling fluid of claim 9, wherein the additive is based on a short phosphorylated hydrocarbon.
28. The drilling fluid of claim 9, comprising the additive in a concentration of up to about 10% weight by volume.
29. The drilling fluid of claim 9, being a reactive anionic drilling fluid.
30. The drilling fluid of claim 9, wherein the shale swelling inhibition agent comprises phosphate based compounds
31. The drilling fluid of claim 9, wherein the shale swelling inhibition agent comprises silicate based compounds.